Arduino UNO med NodeMCU Wemos D1

Produktkode: 5020
Tilgjengelighet: 1

Pris: kr. 170,00

Short Description
UNO+WiFi R3 ATmega328P+ESP8266 32M USB-TTL CH340G For Arduino NodeMCU Wemos D1

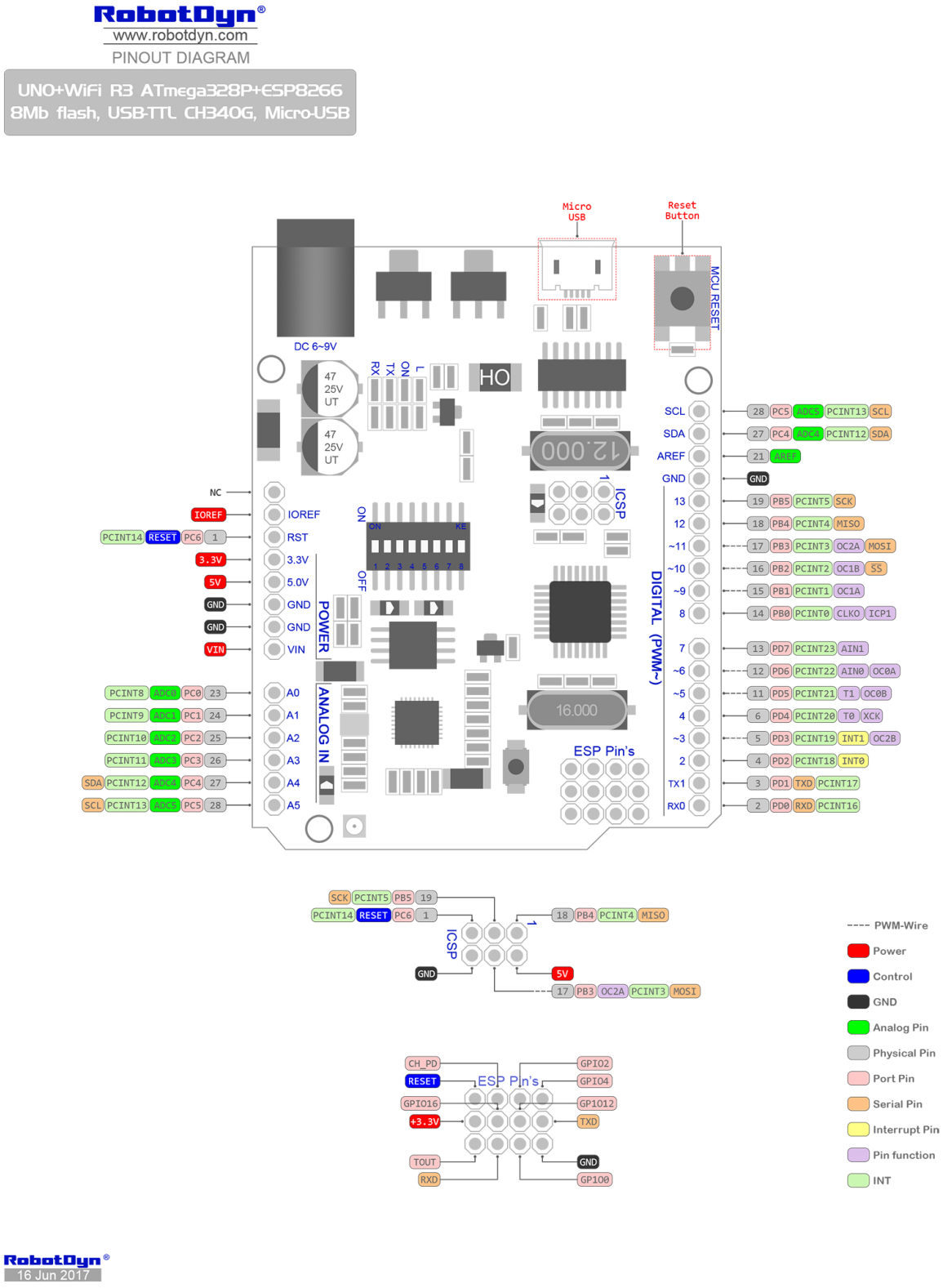
Beskrivelse
Description:

Model Number: UNO+WiFi-R3-AT328-ESP8266-32MB-CH340G
is_customized: Yes
Brand Name: RobotDyn
Supply Voltage: 6~9V recommind
Type: Logic ICs
Condition: New
MCU: ATmega328
WiFi MCU: ESP8266
USB-converter: CH340G
PinOut Uno: Uno R3
UNO+WiFi R3 ATmega328P+ESP8266 (32Mb memory), USB-TTL CH340G.
Compatible for Arduino Uno, NodeMCU, WeMos ESP8266

Package Included:

1PC*UNO+WiFi R3 ATmega328P+ESP8266 (32Mb memory) USB-TTL CH340G For Arduino NodeMCU

Pinout



Mer info

It is a customized version of the classic ARDUINO UNO R3 board. Full integration of microcontroller Atmel ATmega328 and IC Wi-Fi ESP8266 with 32 MB flash memory,

and USB-TTL converter CH340G on one board. All modules can work together or independently.

On the board where the switch of mode of operation with 8 position

Switch status and mode selection:

	1	2	3	4	5	6	7	8
CH340 connect	OFF	OFF	OFF	OFF	ON	ON	ON	NoUSE

to ESP8266 (upload sketch)								
CH340 connect to ESP8266 (connect)	OFF	OFF	OFF	OFF	ON	ON	OFF	NoUSE
CH340 connect to ATmega328 (upload sketch)	OFF	OFF	ON	ON	OFF	OFF	OFF	NoUSE
Mega328 +ESP8266	ON	ON	OFF	OFF	OFF	OFF	OFF	NoUSE
All modules work independent	OFF	OFF	OFF	OFF	OFF	OFF	OFF	NoUSE

After choosing the mode of the board can proceed to setting up the IDE

It is important that when the ESP8266 module is programming, it is necessary to press the button “ESP Reboot”

To begin open the Arduino IDE programming environment and go to settings

Then in the window that appears in the row Additional Boards Manager URLs (marked in red) insert http://arduino.esp8266.com/stable/package_esp8266com_index.json link for installation in Arduino IDE additional scripts that would work with the modules ESP8266, and click OK

Then go to the Tools> Board> Boards Manager

In the window that appears, scroll through the list down to the script esp8266 by ESP8266 Community and click.

In the lower right corner will be able to select the version of the software, select the version 2.1.0 (the newest) and click the Install button

After installation, close the window and go to Tools> Board and see the list of available devices on the chip programming ESP8266

Next, you need to select the card as shown in the picture (Generic ESP8266 module)

Select the upload speed - 115200

==========test sketch==========

```
void setup()

{ Serial.begin(115200);
```

```
pinMode(14,OUTPUT);
delay(500);
Serial.println("AT+CIPMUX=1");
delay(2000);
Serial.println("AT+CIPSERVER=1,5000");
delay(2000);
Serial.println("AT+CIPSTO=3600");
delay(2000); }
void loop()
{ while(Serial.available())
{ char Rdata;
Rdata=Serial.read();
if(Rdata=='A'|Rdata=='a')
{ digitalWrite(14,HIGH);
delay(50); }
else if(Rdata=='B'|Rdata=='b')
{ digitalWrite(14,LOW);
delay(10);
digitalWrite(14,HIGH);
delay(10);
digitalWrite(14,LOW); }
```

else

{ digitalWrite(14,LOW); } } }

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